

**TABLE 1A-15.** Measured Water Temperature Ranges<sup>1</sup> (°F) in the Guadalupe River at Montague Expressway and Temperature Thresholds for Important Chinook Salmon Life Stages

*This table shows the range of measured water temperatures in the Guadalupe River during the prespawning, spawning, and rearing periods for chinook salmon. It also indicates the percentage of time that water temperatures are optimal, suboptimal, and lethal during these periods.*

**PRESPAWNING (SEPTEMBER - DECEMBER)<sup>2</sup>**

Percentages	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0%									64.4	59.4	59.4	58.1
10%									65.7	60.6	61.9	58.7
20%									65.7	61.9	62.5	60.0
30%									66.9	63.1	63.1	60.6
40%									67.6	64.4	63.1	61.3
50%									68.2	65.7	63.8	61.9
60%									68.8	66.3	63.8	62.5
70%									70.1	66.9	64.4	63.1
80%									71.3	68.6	65.0	63.8
90%									72.6	70.7	65.0	63.8
100%									75.1	74.5	65.7	65.0

**SPAWNING (OCTOBER - JANUARY)<sup>2</sup>**

Percentages	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0%	51.7									59.4	59.4	58.1
10%	54.3									60.6	61.9	58.7
20%	54.9									61.9	62.5	60.0
30%	55.6									63.1	63.1	60.6
40%	55.6									64.4	63.1	61.3
50%	56.2									65.7	63.8	61.9
60%	56.8									66.3	63.8	62.5
70%	56.8									66.9	64.4	63.1
80%	57.5									68.6	65.0	63.8
90%	58.1									70.7	65.0	63.8
100%	61.9									74.5	65.7	65.0

**REARING (FEBRUARY - JUNE)<sup>2</sup>**

Percentages	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0%		51.1	51.7	49.1	53.0	63.8						
10%		53.8	54.9	56.2	62.5	65.7						
20%		56.8	56.2	58.1	64.4	66.9						
30%		58.1	56.8	59.4	66.3	68.2						
40%		58.7	57.5	60.0	68.2	69.4						
50%		58.7	58.1	61.3	69.4	70.1						
60%		59.4	58.7	62.5	70.7	71.3						
70%		60.0	60.0	63.8	71.9	72.6						
80%		60.6	60.6	65.7	73.2	74.5						
90%		61.9	61.9	68.2	75.8	75.1						
100%		65.0	65.0	76.4	81.6	79.6						

Notes: Temperature data collected by SCVWD during 1996 and 1997.

<sup>1</sup> Percentage of time that temperature is less than stated value. Data collected at 1-hour intervals.

<sup>2</sup> Lifstages may be present during months where data are not shown, however, focus of analysis is on those months when temperatures are typically limiting.

Legend:

#°F	Suboptimal Water Temperatures	#°F	Lethal Water Temperatures
#°F	Optimal Water Temperatures	ND	No Data